Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 08213-007001

Application No. 09/423,546

Information Disclosure Statement by Applicant

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant Elliott Bennett-Guerrero et al.

Filing Date

November 12, 1999

Group Art Unit

1645

			U.S. Pate	ent Documents			
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
Ng	AA	4,053,585	10/11/77	Allison et al.			
	AB	4,199,565	04/22/80	Fullerton			
	AC	4,235,871	11/25/80	Papahadjopoulos			
	AD	4,235,877	11/25/80	Fullerton			
	AE	4,241,046	12/23/80	Papahadjopoulos			
	AF	4,285,936	08/25/81	Pier et al.			
	AG	4,693,891	09/15/87	Collins et al.			
	AH	4,755,381	07/05/88	Cryz			
	AI	4,755,382	07/05/88	Flaherty			
	AJ	4,771,127	09/13/88	Cryz et al.			
	AK	4,777,136	10/11/88	Young			
	AL	4,844,894	07/04/89	Ribi			
	AM	4,946,677	08/07/90	Dorner et al.			
	AN	5,026,557	06/25/91	Estis et al.			
	AO	5,057,598	10/15/91	Pollack et al.			
	AP	5,059,591	10/22/91	Janoff et al.			
	AQ	5,114,712	05/19/92	Fukuda et al.			
	AR	5,179,018	01/12/93	Bogard, Jr. et al.			
	AS	5,370,872	12/06/94	Cryz et al.			
	AT	5,417,986	05/23/95	Reid et al.			
	AU	5,426,046	06/20/95	Kaplan et al.			
	AV	5,730,989	05/23/95	Wright			
	AW	5,750,115	05/12/98	Van Den Bosch			

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
my.	AX	WO90/03186	04/05/90	PET WIPO				
134	AY	WO91/15239	10/17/91	PCT CUIPO				

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Substitute Form PTO-1449 U.S. Department of Commerce Attorney's Docket No. Application No. (Modified) Patent and Trademark Office 08213-007001 09/423,546 Applicant Inf rmation Disclosur Statement Elliott Bennett-Guerrero et al. by Applicant (Use several sheets if necessary) Filing Date Group Art Unit November 12, 1999 1645 (37 CFR §1.98(b))

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
MC	AZ	WO92/20370	11/26/92	PCT WIPO				
11/1/	BA	WO93/08834	05/13/93	BCF WIPC				

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
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SNA	BB	Adhikari et al., "Septicaemic low birthweight neonates treated with human antibodies to endotoxin", Archives of Disease in Childhood, (1985) 382-384.
1	ВС	Allan, Elizabeth et al., "Antibacteroides lipopolysaccharide IgG levels in healthy adults and sepsis patients", FEMS Immunology and Medical Microbiology 11 (1995) 5-12.
	BD	Alving, Carl R., "Lipid A and Liposomes Containing Lipid A As Adjuvants for Vaccines", Vol. II: Immunopharmacology and Pathophysiology, Ch. 18, 429-438.
	BE	Alving, Carl R., "Macrophages as targets for delivery of liposome-encapsulated entimicrobial agents", Advanced Drug Delivery Reviews, 2 (1988) 107-128.
	BF	Alving, Carl R., "Delivery of Liposome-Encapsulated Drugs to Macrophages", Pharmac. Ther. Vol. 22 (1983) pp. 407-424.
	BG	Alving, Carl R., "Lipopolysaccharide, Lipid A, and Liposomes Containing Lipid A as Immunologic Adjuvants", Immunogiol. Vol. 187 (1993) 430-446.
	ВН	Alving, Carl R. et al., "Adjuvanticity of Lipid A and Lipid A Fractions in Liposomes", Elsevier North Holand, Inc, (1980) 67-78.
	ВІ	Alving, Carl R., "Immunologic aspects of liposomes: presentation and processing of liposomal protein and phospholipid antigens", Biochimica et Biophysica Acta, 1113 (1992) 307-322.
	BJ	Alving, Carl R., "Liposomes as carriers of antigens and adjuvants", Journal of Immunological Methods, 140 (1991) 1-13.
	BK	Alving, Carl R., "Liposomes as Carriers for Vaccines", Walter Reed Army Institute of Research, Washington, DC, Ch. 6 195-218.
	BL	Alving, Carl R., "Liposomes containing lipid A: a potent nontoxic adjuvant for a human malaria sporozoite vaccine", Immunology Letters, 25 (1990) 275-280.
	ВМ	Appelmelk, B.J. et al., "Recombinant Human Bactericidal/Permeability-Increasing Protein (rBPI23) Is a Universal Lipopolysaccharide-Binding Ligand", Injection and Immunity (1994) 3564-3567.
	BN	Appelmelk, B.J. et al., "Antigenic and immunogenic differences in lipopolysaccharides of escherichia coli J5 vaccine strains of different origins", Jour of General Microbiology (1993) 3641-2647.
	ВО	Ashton, F.E. et al., "Short communication – Protective efficacy of mouse serum to the N-propionyl derivative of meningococcal group B polysaccharide", Microbial Pathogenesis (1989) 455-458.
	BP	Astiz, Mark E. et al., "Pretreatment of normal humans with monophosphoryl lipid A induces tolerance to endotoxin: A prospective double-blind, randomized, controlled trial", Critical Care Medicine, Vol. 23, No. 1 (1995) 9-17.
	BQ	Baker, Phillip J. et al., "Structural Features that Influence the Ability of Lipid A and Its Analogs to Abolish Expression of Suppressor T Cell Activity", Infection and Immunity, July 1992, 2694-2701.
	BR	Baker, Phillip J. et al., "Ability of Monophosphoryl Lipid A to Augment the Antibody Response of Young Mice", Infection and Immunity, Dec. 1988, 3064-3066.

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Examiner	Desig.	
Initial	ID BS	Document Bakouche, Ouahid et al., "Interleukin 1 Release by Human Monocytes Treated with Liposome- Encapsulated Lipopolysaccharide", Journal of Immunology, Vol. 139 (1987) 1120-1126.
	ВТ	Barclay, G.R. et al., "Serological Relationships between Escherichia coli and Salmonella Smoothand Rough-Mutant Lipopolysaccharides as Revealed by Enzyme-Linked Immunosorbent Assay for Human Immunoglobulin G Antiendotoxin Antibodies", Infection and Immunity (1987) 2706-2714.
	BU	Battafarano, Richard J. et al., "Peptide derivatives of three distinct lipopolysaccharide binding proteins inhibit lipopolysaccharide-induced tumor necrosis factor-alpha secretion in vitro", Surgery (1995) 318-324.
	BV	Baumgartner, Jean-Daniel, "Immunotherapy with Antibodies to Core Lipopolysaccharide: A Critical Appraisal", Infection Disease of North America, Vol. 5, No. 4 (1991) 915-927.
	BW	Baumgartner, Jean Daniel et al., "Prevention of Gram-Negative Shock and Death in Surgical Patients by Antibody to Endotoxin Core Glycolipid", The Lancet Ltd. (1985) 59-63.
	BX	Baumgartner, J.D. et al., "Interpretation of Data Regarding the Protection Afforded by Serum, IgG, or IgM Antibodies after Immunization with the Rough Mutant R595", Journal of Infectious Diseases, Vol. 160, No. 2 (1989) 347-349.
	BY	Baumgartner, Jean-Daniel et al., "Immunotherapy of Endotoxemia and Septicemia", Immunobiol., Vol. 187 (1993) 464-477.
	BZ	Beeson, Paul B. M.D., "Tolerance to Bacterial Pyrogens", Medical Service, Grady Hospital and the Dept. of Medicine (1947) 39-44.
	CA	Bennett-Guerrero, Elliott et al., "Relationship of Preoperative Antiendotoxin Core Antibodies and Adverse Outcomes Following Cardiac Surgery", JAMA, Vol. 277, No. 8 (1997) 646-650.
	СВ	Bhattacharjee, Apurba K. et al., "Affinity-Purified Escherichia coli J5 Lipopolysaccharide-Specific IgG Protects Neutropenic Rats Against Gram-Negative Bacterial Sepsis", Journal of Infectious Diseases (1994) 170:622-629.
	CC	Bhattacharjee et al., A Noncovalent Complex Vaccine Prepared with Detoxified Escherichia coli J5 (Re Chemotype) Lipopolysaccharides and Neiseria meningitides Group B Outer Membrane Protein Produces Protective Antibodies Against Gram-Negative Bacteremia", Infectious Diseases (1996) 173:1157-1163.
	CD	Bion, Julian F. et al., "Selective decontamination of the digestive tract reduces Gram-negative pulmonary colonization but not systemic endotoxemia in patients undergoing elective liver transplantation", Critical Care Medicine, Vol. 22, No. 1 (1994) 40-49.
	CE	Bone, Roger C. et al., "Definitions for Sepsis and Organ Failure and Guidelines for the Use of Innovative Therapies in Sepsis", ACCP/SCCM Consensus Conference (1992) 1644-1655.
	CF	Boom, S.J. et al., "Abolition of the Hyperdynamic Cardiovascular State Induced by Endotoxaemia with a Murine IgG Monoclonal Antibody to Endotoxin", 12 pages.
	CG	Boom, S.J. et al., "Comparison of HA-1A and E5 Monoclonal Antibodies to Endotoxin in Rats with Endotoxaemia", Eur J. Surg, 159, (1993) 559-561.
	СН	Bosenberg, A.T. et al., "Strenuous exercise causes systemic endotoxemia", Am. Physiological Society (1988) 106-108.
	CI	Brandenburg, Klaus et al., "A comment on the preparation of liposomes from and on the β↔ά acyl chain melting behavior of rough mutant lipopolysaccharide", Biochimica et Biophysica Acta (1991) 1-4.
	CJ	Braude, Abraham et al., "Passive Immunization Against the Local Shwartzman Reaction", Journal of Immunology, Vol. 108, No. 2 (1972) 505-512.

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Examiner	Desig.	Decument
Initial	ID	Document Brock-Utne, J.G. et al., "Endotoxaemia in exhausted runners after a long race", SAMJ, Vol. 73,
My	CK	(1988) 533-536.
' 1	CL	Bresee, Joseph S. et al., "Hepatitis C Virus Infection Associated with Administration of Intravenous Immune Globulin", JAMA, Vol. 276, No. 19 (1996) 1563-1567.
	СМ	Brown, Anna et al., "The antibody response to salmonellae in mice and humans studied by immunoblots and ELISA", Microbial Pathogenesis (1989) 6:445-454.
	CN	Bruderer, Urs et al., "Qualitative analysis of antibody binding", Journal of Immunological Methods, (1990) 133:263-268.
	СО	Bruins, Scott C. et al., "Immunization with R Mutants of Salmonella Minnesota", Infection and Immunity (1977) 16-20.
	СР	Bruins, Scott C. et al., "Parameters Affecting the Enzyme-Linked Immunosorbent Assay of Immunoglobulin G Antibody to a Rough Mutant Salmonella Minnesota, Infection and Immunity (1978) 721-728.
	CQ	Butler, Patrice et al., "M2 mitochondrial antibodies and urinary rough mutant bacteria in patients with primary biliary cirrhosis and in patients with recurrent bacteriuria", Journal of Hepatology (1993) 17:408-414.
	CR	Cafiero, Ferdinando et al., "Prophylaxis of infection with intravenous immunoglobulins plus antibiotic for patients at risk for sepsis undergoing surgery for colorectal cancer: Results of a randomized, multicenter clinical trial", Surgery, Vol. 112, No. 1 (1991) 24-31.
	CS	Carrico, C. James et al., "Multiple-Organ-Failure Syndrome", Arch Surg, Vol. 121 (1986) 196-208.
	СТ	Cho, Norio et al., "Delayed Hypersensitivity in Murine Salmonellosis: Specificity of Footpad Reaction in Mice Infected with Rough Mutants of Salmonella typhimurium, Microbiol. Immunol., Vol. 27 (2) (1983) 167-175.
	CU	Christ, William J. et al., "E5531, a Pure Endotoxin Antagonist of High Potency", Science, Vol. 268 (1995) 80-83.
	CV	Cohen, J. et al., "Antibody Titres to a Rough-Mutant Strain of Escherichia Coli in Patients Undergoing Allogeneic Bone-Marrow Transplantation", The Lancet (1987) 8-10.
	CW	Cometta, Alain et al., "Prophylactic Intravenous Administration of Standard Immune Globulin as Compared with Core-Lipopolysaccharide Immune Globulin in Patients at High Risk of Postsurgical Infection", N.E. Journal of Medicine, Vol. 327, No. 4 (1992) 234-240.
	CX	Cremer, Natalie et al., "Influence of Stress on Distribution of Endotoxin in RES Determined by Fluorescein Antibody Technic", Stress on Distribution of Endotoxin in RES (1957) 510-513.
	CY	Cross, Alan et al., "Safety and Immunogenicity of a Polyvalent <i>Escherichia coli</i> Vaccine in Human Volunteers", Journal of Infectious Diseases (1994) 170:834-40.
	CZ	Cross, Alan et al., "The Human Antibody Response During Natural Bacteremic Infection with Gram-Negative Bacilli against Lipopolysaccharide Core Determinants", Journal of Infectious Diseases, Vol. 160, No. 2 (1989) 225-236.
	DA	Crowley, James et al., "Opsonization of serum-sensitive and serum-resistant <i>Escherichia coli</i> by rough mutant (Re) antisera", J. Lab. Clin. Med., Vol. 99, No. 2 (1982) 197-205.
	DB	Cryz, S.J. Jr. et al., "Immunization with a <i>Pseudomonas aeruginosa</i> Immunotype 5 O Polysaccharide-Toxin A Conjugate Vaccine: Effect of a Booster Dose on Antibody Levels in Humans", Infection and Immunity, Vol. 56, No. 7 (1988) 1829-1830.

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	DD	Cullis, Pieter R. et al., "Liposomes as Pharmaceuticals", 39-72.
	DE	Daemen, Toos et al., "Differential Effects of Liposome-Incorporation on Liver Macrophage Activating Potencies of Rough Lipopolysaccharide, Lipid A and Muramyl Dipeptide", Journal of Immunology, Vol. 142, No. 7 (1989) 2469-2474.
	DF	Dale, Peter A. et al., "Human Vaccination with <i>Escherichia coli</i> J5 Mutant Induces Cross-Reactive Bactericidal Antibody Against <i>Neisseria gonorrhoeae</i> Lipooligosaccharide", Journal of Infectious Diseases (1992) 166:316-325.
	DG	Dancey, George F. et al., "Enhancement of Liposomal Model Membrane Immunogenicity by Incorporation of Lipid A1", Journal of Immunology, Vol. 119, No. 6 (1977) 1868-1873.
	DH	Danner, Robert L. et al., "Endotoxemia in Human Septic Shock", Chest (1991) 169-175.
	DI	Deitch, Edwin A. et al., "Endotoxin-induced bacterial translocation and mucosal permeability: Role of xanthine oxidase, complement activation, and macrophage products", Critical Care Medicine, Vol. 19, No. 6 (1991) 785-791.
	DJ	Deitch, Edwin A., "The Role of Intestinal Barrier Failure and Bacterial Translocation in the Development of Systemic Infection and Multiple Organ Failure', Arch Surg, Vol. 125 (1990) 403-404.
	DK	Deitch, Edwin A., "Bacterial Translocation of the Gut Flora", Journal of Trauma, Vol. 30, No. 12, (1990) S184-S189.
	DL	DeKievit, Teresa R. et al., "Monoclonal Antibodies That Distinguish Inner Core, Outer Core, and Lipid A Regions of <i>Pseudomonas aeruginosa</i> Lipopolysaccharide", Journal of Bacteriology, Vol. 176, No. 23 (1994) 7129-7139.
	DM	Delahooke, D.M. et al., "Tumor Necrosis Factor Induction by an Aqueous Phenol-Extracted Lipopolysaccharide Complex from <i>Bacteroides</i> Species", Infection and Immunity (1995) 840-846.
	DN	Desiderio, James V. et al., "Immunization Against Experimental Murine Salmonellosis with Liposome-Associated O-Antigen", Infection and Immunity, Vol. 48, No. 3 (1985) 658-663.
	DO	Dijkstra, Jan et al., "A procedure for the efficient incorporation of wild-type lipopolysaccharide into liposomes for use in immunological studies", Journal of Immunological Methods, 114 (1988) 197-205.
	DP	Dijkstra, Jan et al., "Altered In Vivo Activity of Liposome-Incorporated Lipopolysaccharide and Lipid A", Infection and Immunity (1989) 3357-3363.
	DQ	Dijkstra, Jan et al., "Modulation of the Biological Activity of Bacterial Endotoxin by Incorporation into Liposomes", Journal of Immunology, Vol. 138, No. 8 (1987) 2663-2670.
	DR	Din, Zafeer Z et al., "Effect of pH on Solubility and Ionic State of Lipopolysaccharide Obtained from the Deep Rough Mutant of <i>Escherichia coli</i> ", Biochemistry 32 (1993) 4579-4586.
	DS	Ding, H.F. et al., "Protective immunity induced in mice by detoxified salmonella lipopolysaccharide", J. Med. Microbiol., Vol. 31 (1990) 95-102.
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1	DV	Dominioni, Lorenzo et al., "Effects of High-Dose IgG on Survival of Surgical Patients with Sepsis Scores of 20 or Greater", Arch Surg, Vol. 126 (1991) 236-240.
	DW	Donnelly, John J. et al., "Immunogenicity of a Haemophilus influenzae Polysaccharide-Neisseria meningitides Outer Membrane Protein Complex Conjugate Vaccine", Journal of Immunology, Vol. 145, No. 9 (1990) 3071-3079.
	DX	Dunn, David L. et al., "Immunotherapy of gram-negative bacterial sepsis: Enhanced survival in a guinea pig model by use of rabbit antiserum to Escherichia coli J5", Surgery (1980) 212-219.
	DY	Elkins, Karen L. et al., "Specific Immunological Unresponsiveness to Bacterial Lipopolysaccharide Develops in a Cyclic Manner", Infection and Immunity, Vol. 57, No. 7 (1989) 2253-2255.
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	EA	Evans, Martin E. eta l., "Fluorescence-Activated Cell Sorter Analysis of Binding by Lipopolysaccharide-Specific Monoclonal Antibodies to Gram-Negative Bacteria", Journal of Infectious Diseases (1990) 148-155.
	EB	Field, Sue et al., "Development of an anti-idiotype monoclonal antibody mimicking the structure of lipopolysaccharide (LPS) inner-core determinants", Microbial Pathogenesis (1993) 15: 103-120.
	EC	Field, Susan et al., "An Anti-Idiotype Antibody Which Mimics the Inner-Core Region of Lipopolysaccharide Protects Mice against a Lethal Challenge with Endotoxin", Infection and Immunity, Vol. 62 (1994) 3994-3999.
	ED	Fink, Mitchell P. et al., "Increased Intestinal Permeability in Endotoxic Pigs", Arch Surg, Vol. 126 (1991) 211-218.
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	EG	Fisher, C.J. Jr. et al., "Immunotherapy of Sepsis Syndrome: A Comparison of the Available Treatments", Klin Wochenschr (1991) 162-167.
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	EI	Fong, Yuman et al., "Endotoxemia Elicits Increased Circulating βx-IFN/IL-6 in Man", Journal of Immunology, Vol. 142, No. 7 (1989) 2321-2324.
	EJ	Ford, Edward G. et al., "Sepsis After Coronary Bypass Grafting: Evidence for Loss of the Gut Mucosal Barrier", Ann Thorac Surg (1991) 514-517.
	EK	Freed, Gary L. et al., "Safety of Vaccinations, Miss America, the Media and Public Health", JAMA Vol. 276, No. 23 (1996) 1869-1872.
	EL	Freeman, R. et al., "Prevention of fever and Gram negative infection after open heart surgery by antiendotoxin", Thorax (1985) 40: 846-848.
	EM	Freudenberg, M.A. et al., "Analysis of LPS released from Salmonella abortus equi in human serum", Microbial Pathogenesis (1991) 10: 93-104.
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MS	EP	Gaffin, S.L. et al., "The use of antilipopolysaccharide (anti-LPS) antibodies in the management of septic shock", SA Mediese Tydskrif Deel 65 (1984) 158-161.	
1	EQ	Gaffin, Stephen L. et al., "An ELISA procedure for detecting human anti-endotoxin antibodies in serum", Ann Clin Biochem (1983) 19: 191-194.	
	ER	Gaffin, Stephen L., "Large-Scale Production of Anti-Gram Negative Bacterial Antibodies", The Lancet (1983) 1420-1421.	
	ES	Gaffin, Stephen L., "Anti-lipopolysaccharide toxin therapy for whole body X-irradiation overdoes", The British Journal of Radiology (1985) 58: 881-884.	
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	EW	Galanos, Chris et al., "Mechanisms of Endotoxin Shock and Endotoxin Hypersensitivity", Immunobiol., Vol. 187 (1993) 346-356.	
	EX	Gathiram, P. et al., "Time Course of Endotoxemia and Cardiovascular Changes in Heat-Stressed Primates", Aviation, Space and Environmental Medicine (1987) 1071-1074.	
	EY	Gathiram, P. et al., "Superior Mesenteric Artery Occlusion Shock in Cats: Modification of the Endotoxemia by Antilipopolysaccharide Antibodies (Anti-LPS), Circulatory Shock (1986) 19: 231-237.	
	EZ	Gathiram, P. et al., "Antilipopolysaccharide Improves Survival in Primates Subjected to Heat Stroke", Circulatory Shock (1987) 23: 157-164.	
	FA	Gazzano-Santoro, Helene, "Competition between rBPI ₂₃ , a Recombinant Fragment of Bactericidal/Permeability-Increasing Protein, and Lipopolysaccharide (LPS)-Binding Protein for Binding to LPS and Gram-Negative Bacteria", Infection and Immunity (1994) 1185-1191.	
	FB	Gigliotti, Francis et al., "Failure of Monoclonal Antibodies to Core Glycolipid to Bind Intact Smooth Strains of <i>Escherichia coli</i> ", The Journal of Infectious Diseases, Vol. 151, No. 6 (1985) 1005-1011.	
	FC	Gmeiner, Jobst et al., "Molecular Composition of the Outer Membrane of <i>Escherichia coli</i> and the Importance of Protein-Lipopolysaccharide Interactions", Arch Microgiol., Vol. 127 (1980) 81-86.	
	FD	Goldie, Anne S. et al., "Natural Cytokine Antagonists and Endogenous Antiendotoxin Core Antibodies in Sepsis Syndrome", JAMA, Vol. 274, No. 3 (1995) 172-177.	
	FE	Goto, Masakatsu et al., "Early Endotoxin Tolerance in Suckling Rats", Research in Communications and Chemical Pathology and Pharmacology, Vol. 76, NO. 2 (1992) 249-252.	
	FF	Goris, Jan A. et al., "Multiple-Organ Failure", Arch Surg, Vol. 120 (1985) 1109-1115.	
	FG	Gould, F.K. et al., "Antibody to endotoxin is associated with decreased frequency of postoperative infection", Am J Obstet Gynecol (1988) 317-319.	
	FH	Gregoriadis, Gregory, "Immunological adjuvants: a role for liposomes", Immunology Today, Vol. 11, No. 3 (1990) 89-97.	
	FI	Green, S. et al., "Liposomal Vaccines. Advances in Experimental Medicine and Biology" Vol. 383, (1995) 83-92.	

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	FK	Greisman, Sheldon E. M.D. et al., "Mechanisms of Endotoxin Tolerance, II. Relationship Between Endotoxin Tolerance and Reticuloendothelial System Phagocytic Activity in Man", Journal of Experimental Medicine, Vol. 119 (1963) 241-264.
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		Applicant Elliott Bennett-Guerrero et al.		
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